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## Vision 2014-19 Soil Dynamics in India

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# Vision 2014-19

## Soil Dynamics in India

**21<sup>st</sup> December 2014**

**Meeting of Forum on Promotion of Soil Dynamics in India**

**Amit Prashant**  
**IIT Gandhinagar**

# Target Areas

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- Research
  - IITs and IISc
  - Other Colleges in India
- Practice Geotechnical Engg
  - Improving basic practice
  - Accountability

# Major Research Initiatives

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- Testing facilities
  - Develop several of good Labs in country – network of experts
  - Large Scale Tests: Physical modeling – Integrate instrumentation people
- Computational Facilities
  - Time-domain analysis
  - Open source software – like Openses
  - Forum and Network for helping each other on learning tools

# Industry Participation

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- Engaging Industry in research for application
  - Design recommendations
  - Learning from failures
- Have stakes of industry in developmental research
- Are there Research Labs?

# Energizing towards this agenda

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- Catch them young! – target UG and PG students, and then young faculty
- UG research – contests, fellowships – bring industry on board
- Recognition of MTech/PhD work in Soil dynamics
- Invited workshops on specific issues
  - Each workshop leads to one student doing research with each faculty participants
- Create Library Resources – Books, Papers, etc,
  - Share, Share and Share

# Integration of Efforts

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- Areas of interest
  - Structure, Earth Science, Geophysics, Geotechnical
- Academia and Industry
  - Construction, Design and research
  - Quality of practice and accountability
- Government agencies
  - Regulatory agencies

# Thank You...

Amit